

causing the taggant to radiate an x-ray that penetrates through the portion of the article;
and

analyzing through that portion whether the x-ray has a specific energy.

22. The method of claim 21, wherein the article comprises a packaging material.

23. A method of making an article containing a taggant, comprising:

providing a portion of the article; and

providing that portion with a taggant that radiates an x-ray through that portion when an energy beam is impinged on the taggant.

24. The method of claim 23, wherein the article comprises a packaging material.

25. A method of tagging an article with a taggant comprising:

providing a portion of the article; and

providing a taggant in that portion of the article, the taggant radiating an x-ray through that portion when an energy beam is impinged on the taggant.

26. The method of claim 25, wherein the article comprises a packaging material.

27. An article containing a taggant made by the method comprising:

providing a portion of the article; and

providing a taggant in the portion of the article, the taggant radiating an x-ray through that portion when an energy beam is impinged on the taggant.

28. The article of claim 27, wherein the article comprises a packaging material.

29. An article comprising a taggant in a portion thereof, the taggant radiating an x-ray through that portion when an energy beam is impinged on the taggant.

30. The article of claim 29, wherein the article comprises a packaging material.

31. A method for using an article containing a taggant, comprising:

providing an article with a taggant in a portion thereof;
causing the taggant to radiate an x-ray that penetrates through the portion of the article;
and

analyzing through that portion whether the x-ray has a specific energy.

32. The method of claim 31, wherein the article comprises a packaging material.

33. A method for detecting a taggant in a coating, comprising:

providing a taggant in a portion of a coating;

causing the taggant to radiate an x-ray that penetrates through the portion; and

analyzing through that portion whether the x-ray has a specific energy.

34. The method of claim 33, wherein the coating is for a packaging material.

35. A method for making a coating containing a taggant, comprising:

providing a portion of an article; and

providing a coating on the portion of the article, the coating comprising a taggant therein
which radiates an x-ray through the coating when an energy beam is impinged on the taggant.

36. The method of claim 35, wherein the article comprises a packaging material.

37. A method of manufacturing a coating containing a taggant, comprising:

providing a portion of an article; and

providing a coating on the portion of the article, the coating comprising a taggant therein
which radiates an x-ray through the coating when an energy beam is impinged on the taggant.

38. The method of claim 37, wherein the article comprises a packaging material.

39. A method of tagging a coating for an article comprising:

providing a coating on a portion of an article; and

providing a taggant in the coating, the taggant radiating an x-ray through that coating when an energy beam is impinged on the taggant.

40. The method of claim 39, wherein the article comprises a packaging material.

41. A coating for an article, the coating comprising a taggant therein which radiates an x-ray through the coating when an energy beam is impinged on the taggant.

42. The coating of claim 41, wherein the coating is for a packaging material.

43. A coating for an article made by the method comprising:

providing a portion of an article; and

providing a coating on the portion of the article, the coating comprising a taggant therein which radiates an x-ray through the coating when an energy beam is impinged on the taggant.

44. The coating of claim 43, wherein the article comprises a packaging material.

45. A method for using a coating containing a taggant, comprising:

providing a coating with a taggant in a portion thereof;

impinging the taggant with an energy beam to cause the taggant to radiate an x-ray that penetrates through the portion of the coating; and

analyzing through that portion whether the radiated x-ray has a specific energy.

46. The method of claim 45, wherein the coating is for a packaging material.---

41